

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
 Data File : BM039134.D
 Acq On : 24 Mar 2023 02:22
 Operator : CG/JU
 Sample : 01932-15DL 25X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-6A-031423DL

Quant Time: Mar 24 04:37:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

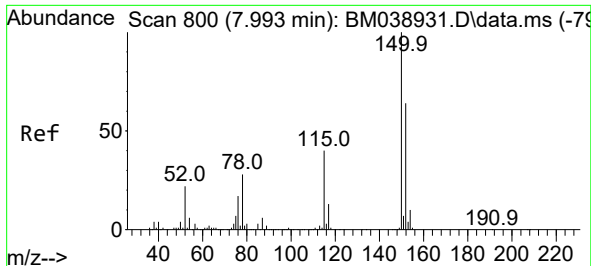
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	343346	20.000	ng	-0.01
21) Naphthalene-d8	10.775	136	1311053	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	695404	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1356676	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1184756	20.000	ng	0.00
86) Perylene-d12	23.962	264	1371735	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	75830	3.355	ng	0.00
7) Phenol-d6	7.122	99	93196	3.175	ng	0.00
23) Nitrobenzene-d5	9.128	82	55412	2.076	ng	-0.01
42) 2,4,6-Tribromophenol	16.092	330	24360	3.028	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	124102	2.323	ng	0.00
79) Terphenyl-d14	19.962	244	164212	2.534	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.098	122	178	5.743	ng	# 1
48) 2-Nitroaniline	13.710	65	79	2.221	ng	# 28
57) 2,4-Dinitrotoluene	15.004	165	326	2.091	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.810	198	60	5.094	ng	# 1
71) Phenanthrene	17.392	178	1749949	21.978	ng	99
72) Anthracene	17.480	178	437620	5.511	ng	99
75) Fluoranthene	19.404	202	3192574	37.975	ng	98
77) Benzidine	19.598	184	142	4.881	ng	# 1
78) Pyrene	19.768	202	2803056	31.500	ng	99
80) Butylbenzylphthalate	20.674	149	782	3.335	ng	# 52
81) Benzo(a)anthracene	21.509	228	1363022	15.975	ng	99
83) Chrysene	21.562	228	1169144	14.089	ng	98
84) Bis(2-ethylhexyl)phtha...	21.433	149	59378	3.514	ng	# 98
85) Di-n-octyl phthalate	22.397	149	641	3.803	ng	# 1
87) Indeno(1,2,3-cd)pyrene	26.491	276	870355	8.338	ng	95
88) Benzo(b)fluoranthene	23.221	252	1651142	18.841	ng	97
89) Benzo(k)fluoranthene	23.221	252	1651142	18.104	ng	97
90) Benzo(a)pyrene	23.850	252	1225660	14.532	ng	97
91) Dibenzo(a,h)anthracene	26.497	278	217937	2.465	ng	# 83
92) Benzo(g,h,i)perylene	27.274	276	831069	9.610	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Mar 24 04:37:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 22 03:36:20 2023
Response via : Initial Calibration

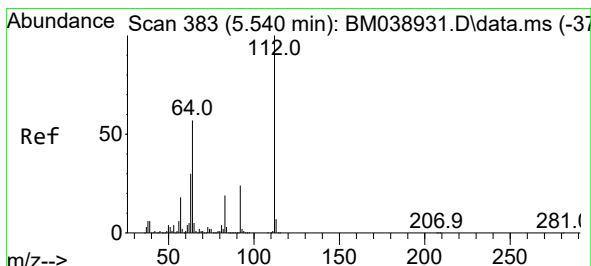
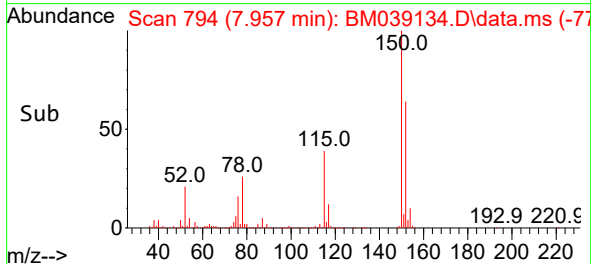
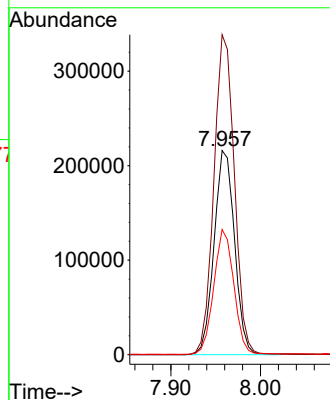
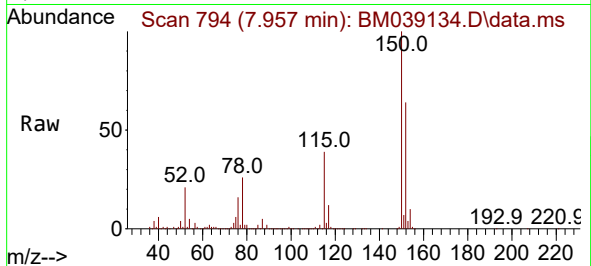




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.957 min Scan# 79
Delta R.T. -0.012 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

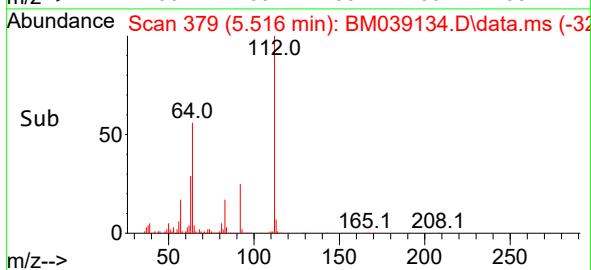
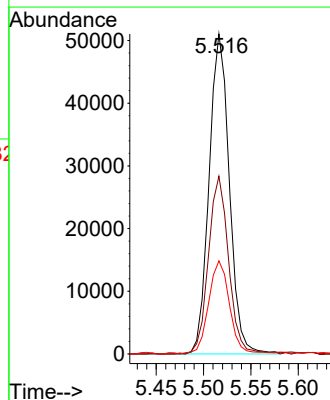
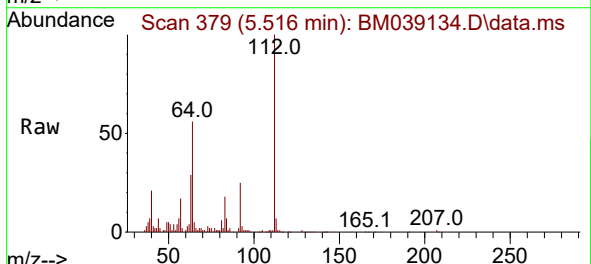
Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423DL

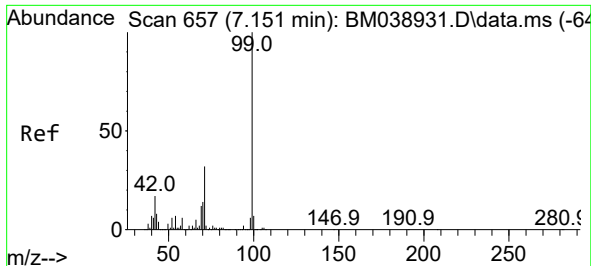
Tgt Ion:152 Resp: 343346
Ion Ratio Lower Upper
152 100
150 156.7 125.1 187.7
115 61.2 49.6 74.4



#5
2-Fluorophenol
Concen: 3.355 ng
RT: 5.516 min Scan# 379
Delta R.T. -0.006 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

Tgt Ion:112 Resp: 75830
Ion Ratio Lower Upper
112 100
64 55.6 45.9 68.9
63 29.1 23.8 35.8

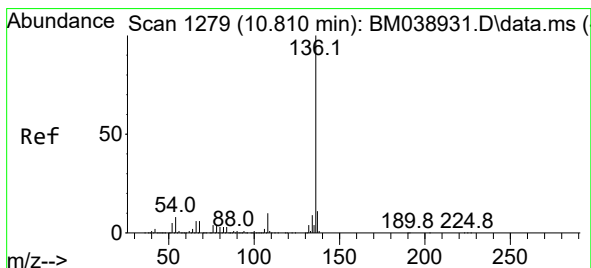
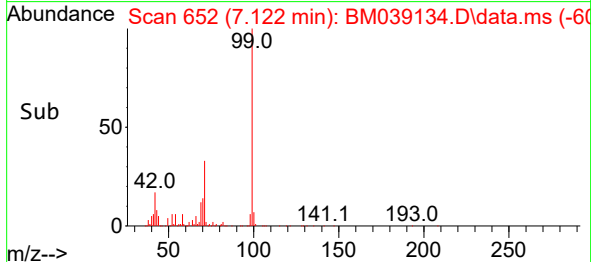
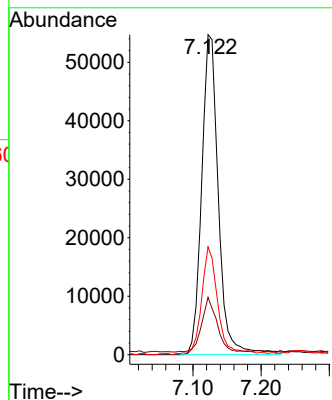
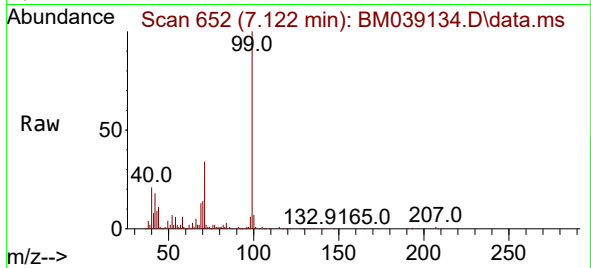




#7
Phenol-d6
Concen: 3.175 ng
RT: 7.122 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

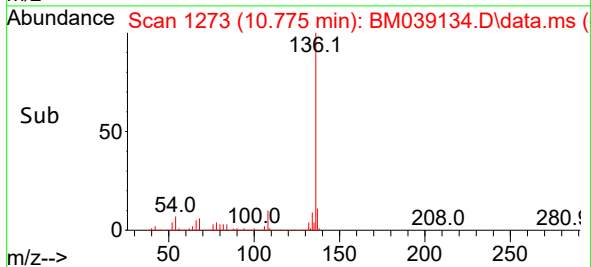
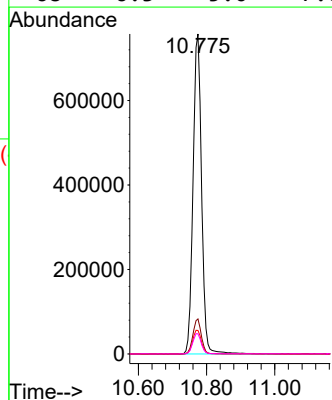
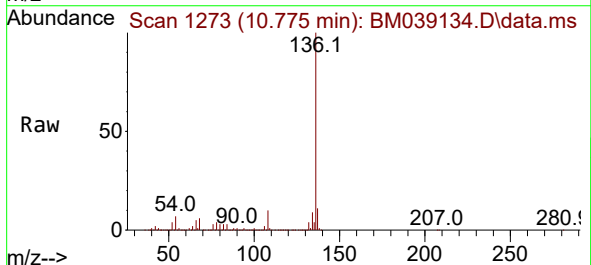
Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423DL

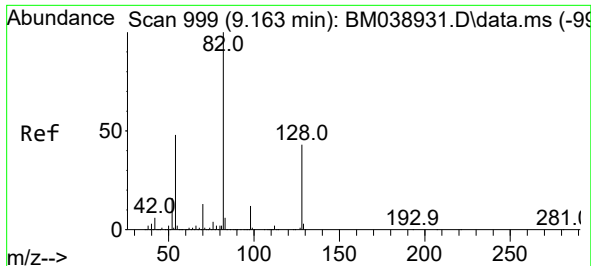
Tgt Ion: 99 Resp: 93196
Ion Ratio Lower Upper
99 100
42 17.9 13.5 20.3
71 33.7 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

Tgt Ion: 136 Resp: 1311053
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.4 6.3 9.5
68 6.3 5.0 7.6

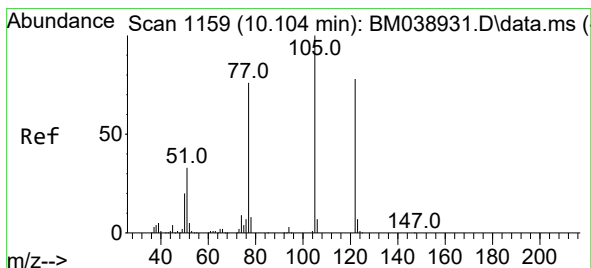
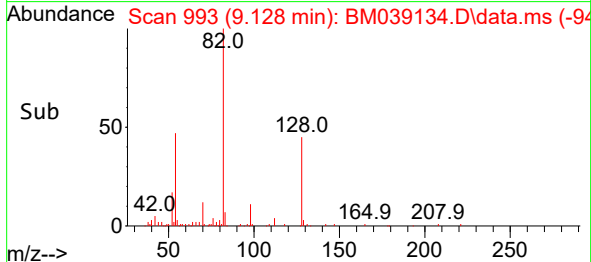
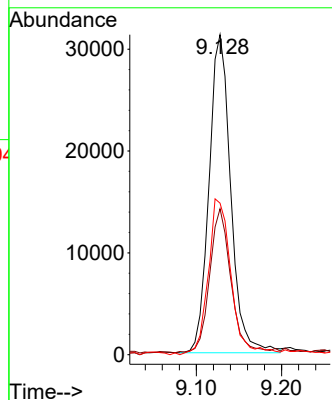
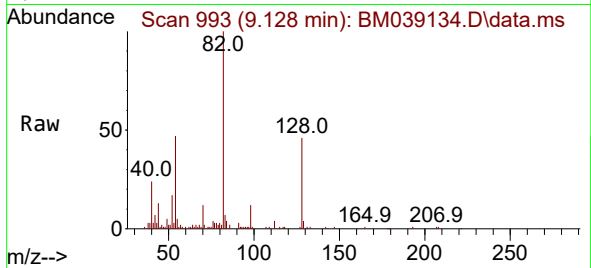




#23
Nitrobenzene-d5
Concen: 2.076 ng
RT: 9.128 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

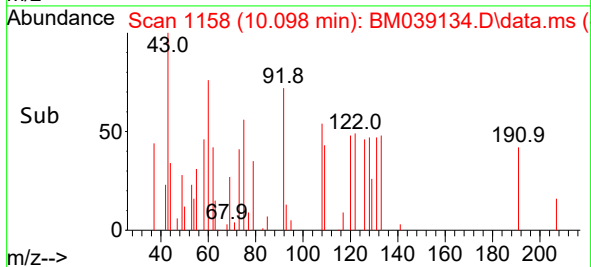
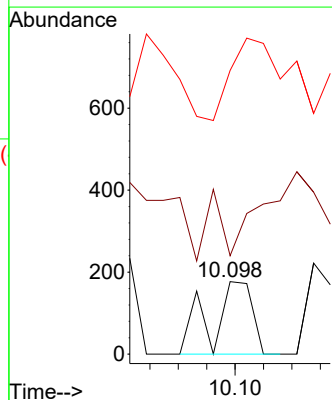
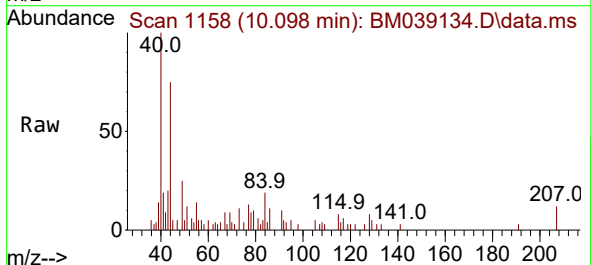
Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423DL

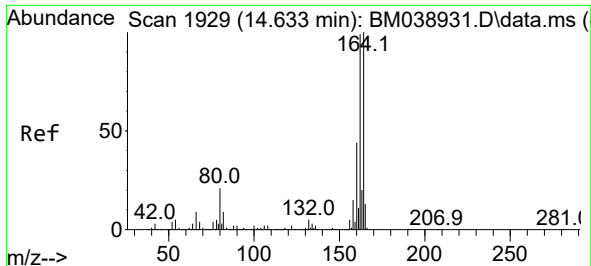
Tgt Ion: 82 Resp: 55412
Ion Ratio Lower Upper
82 100
128 45.6 34.4 51.6
54 47.3 38.8 58.2



#32
Benzoic acid
Concen: 5.743 ng
RT: 10.098 min Scan# 1158
Delta R.T. 0.012 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

Tgt Ion: 122 Resp: 178
Ion Ratio Lower Upper
122 100
105 135.6 104.2 144.2
77 391.0 75.1 115.1#

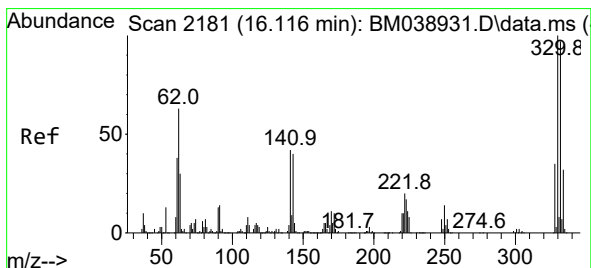
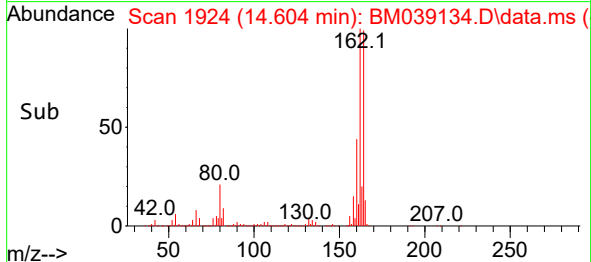
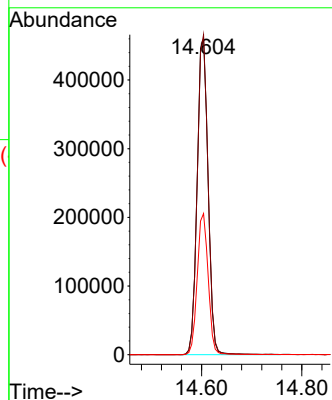
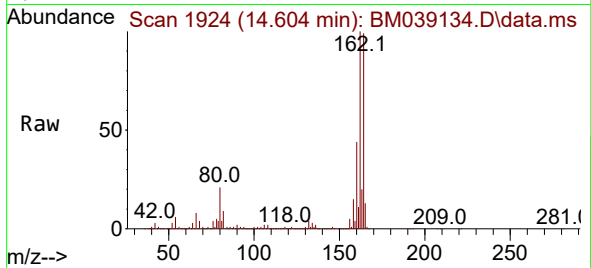




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

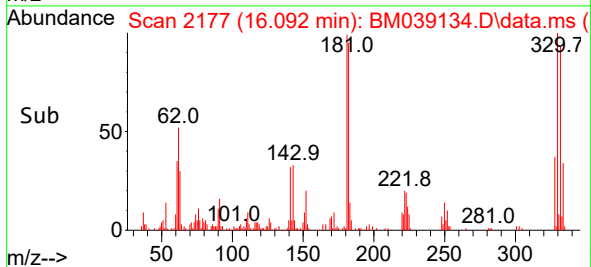
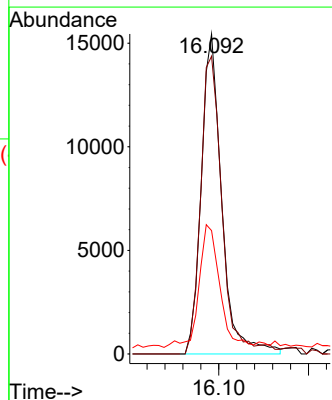
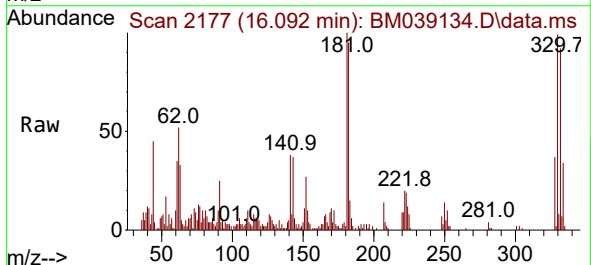
Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423DL

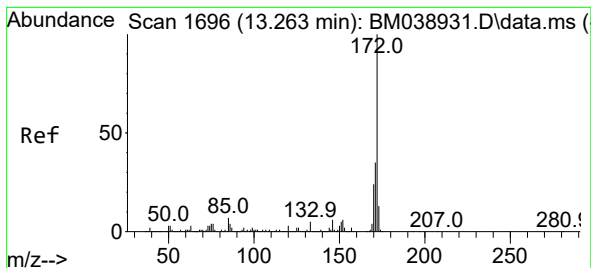
Tgt Ion:164 Resp: 695404
Ion Ratio Lower Upper
164 100
162 101.2 79.2 118.8
160 44.7 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 3.028 ng
RT: 16.092 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

Tgt Ion:330 Resp: 24360
Ion Ratio Lower Upper
330 100
332 97.8 77.4 116.0
141 38.8 32.2 48.4





#45

2-Fluorobiphenyl

Concen: 2.323 ng

RT: 13.227 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423DL

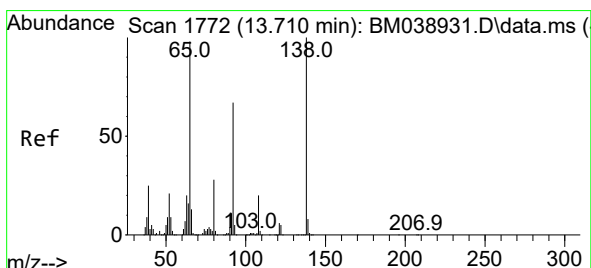
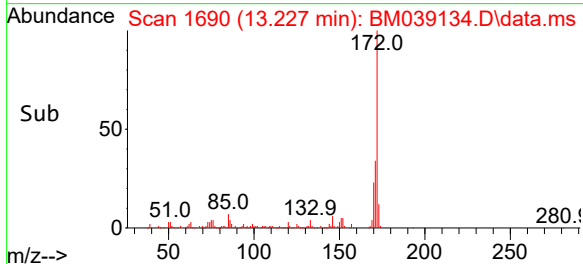
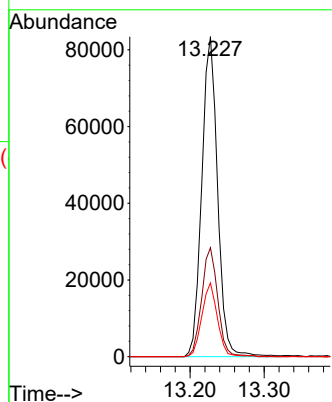
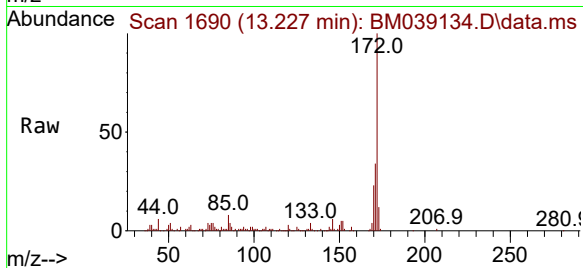
Tgt Ion:172 Resp: 124102

Ion Ratio Lower Upper

172 100

171 34.1 28.2 42.2

170 23.1 19.1 28.7



#48

2-Nitroaniline

Concen: 2.221 ng

RT: 13.710 min Scan# 1772

Delta R.T. 0.018 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

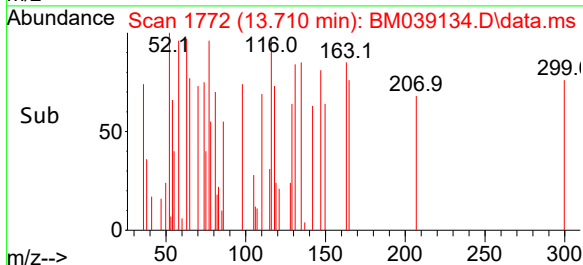
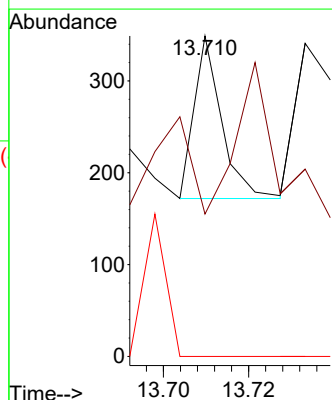
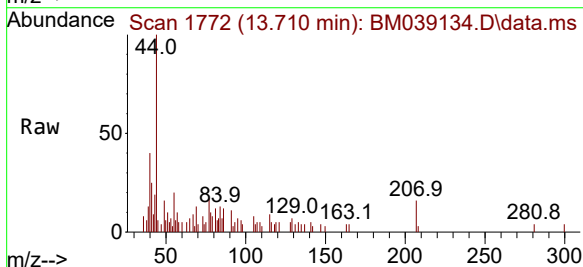
Tgt Ion: 65 Resp: 79

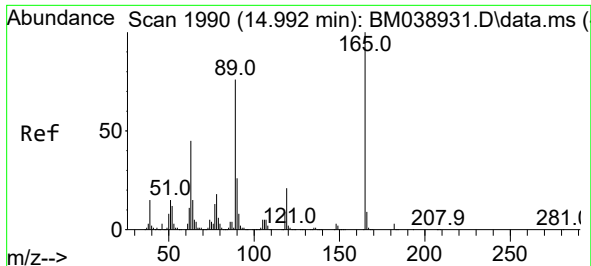
Ion Ratio Lower Upper

65 100

92 44.4 54.9 82.3#

138 0.0 81.6 122.4#





#57

2,4-Dinitrotoluene

Concen: 2.091 ng

RT: 15.004 min Scan# 1992

Delta R.T. 0.035 min

Lab File: BM039134.D

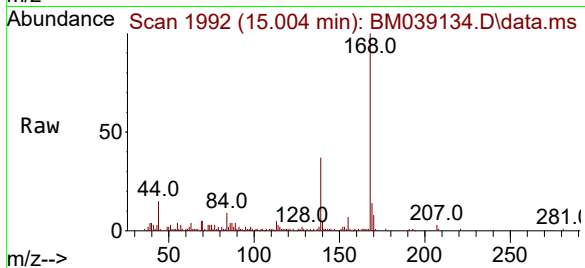
Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423DL



Tgt Ion:165 Resp: 326

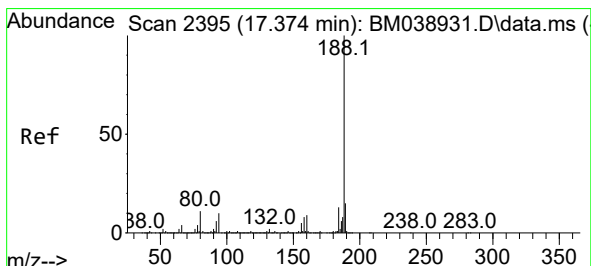
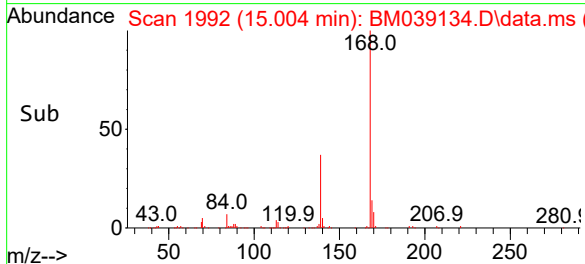
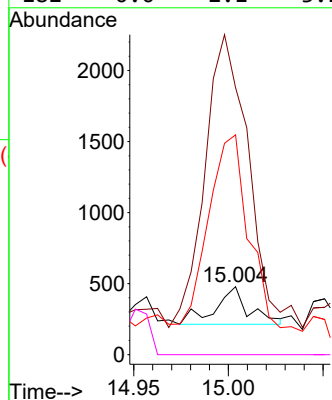
Ion Ratio Lower Upper

165 100

63 393.1 35.9 53.9#

89 323.6 61.0 91.6#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.351 min Scan# 2391

Delta R.T. 0.000 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

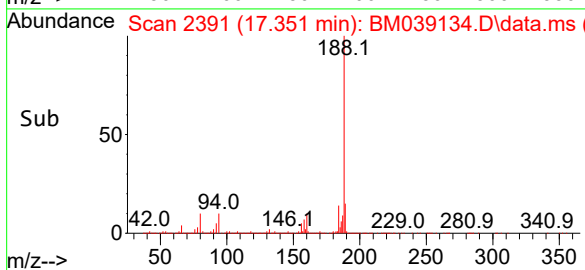
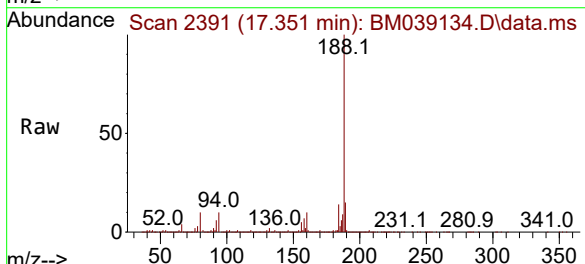
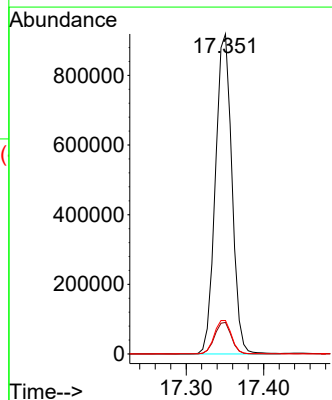
Tgt Ion:188 Resp: 1356676

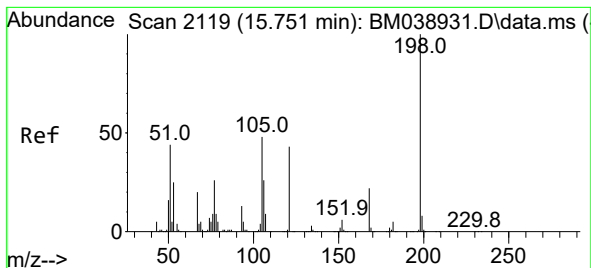
Ion Ratio Lower Upper

188 100

94 9.9 7.9 11.9

80 10.4 8.5 12.7

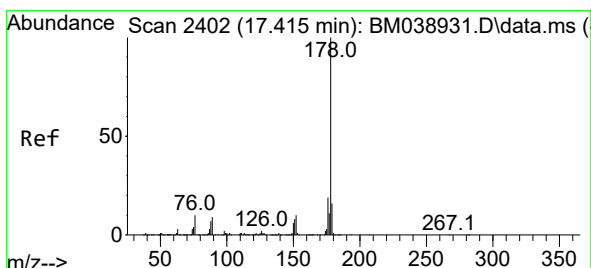
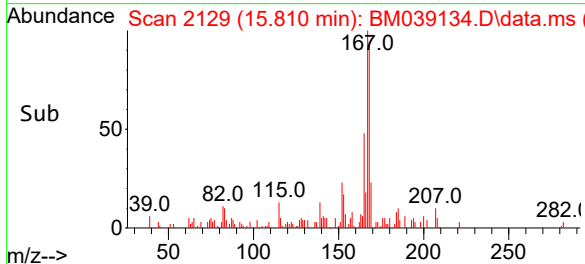
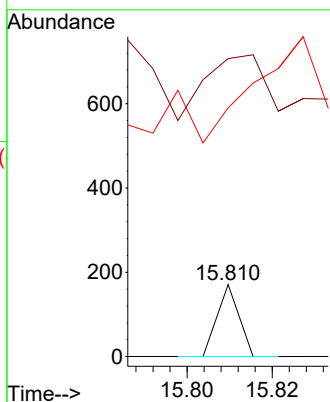
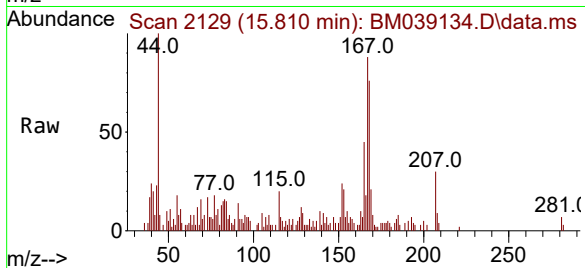




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.094 ng
 RT: 15.810 min Scan# 2119
 Delta R.T. 0.077 min
 Lab File: BM039134.D
 Acq: 24 Mar 2023 02:22

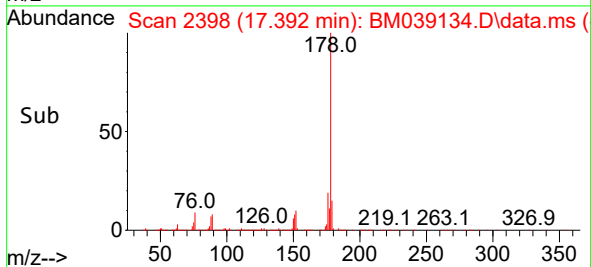
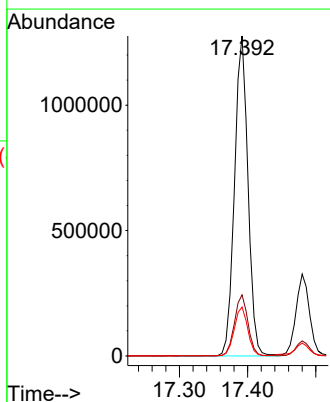
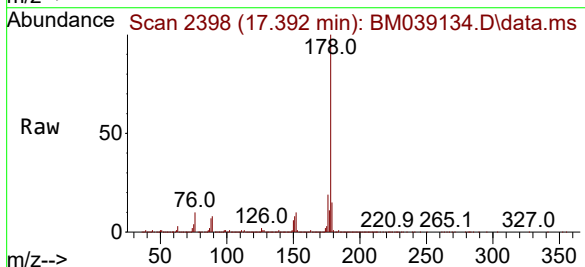
Instrument :
 BNA_M
 ClientSampleId :
 JPP-6A-031423DL

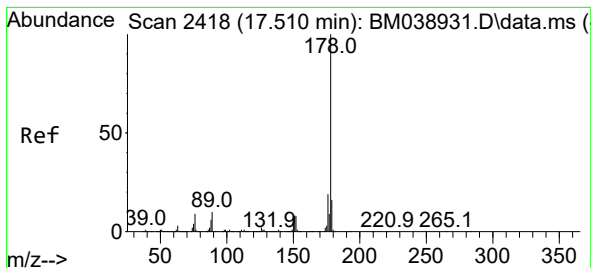
Tgt Ion:198 Resp: 60
 Ion Ratio Lower Upper
 198 100
 51 413.5 30.1 70.1#
 105 345.0 29.3 69.3#



#71
 Phenanthrene
 Concen: 21.978 ng
 RT: 17.392 min Scan# 2398
 Delta R.T. 0.000 min
 Lab File: BM039134.D
 Acq: 24 Mar 2023 02:22

Tgt Ion:178 Resp: 1749949
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.6 23.4
 179 15.3 12.5 18.7





#72

Anthracene

Concen: 5.511 ng

RT: 17.480 min Scan# 2418

Delta R.T. -0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423DL

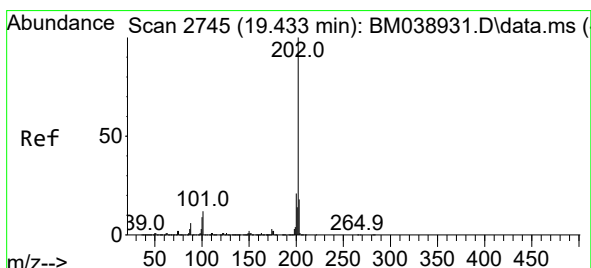
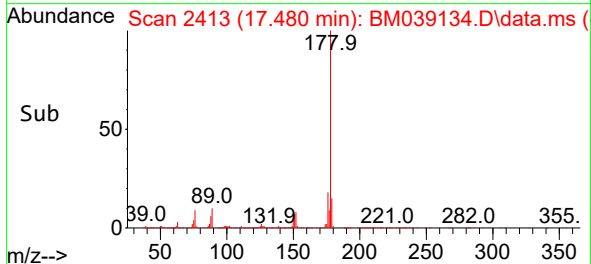
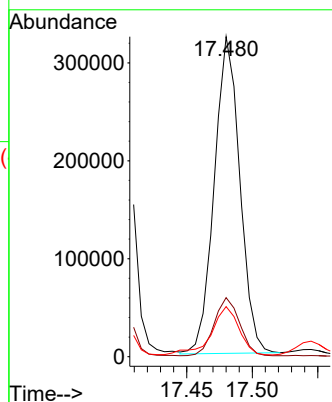
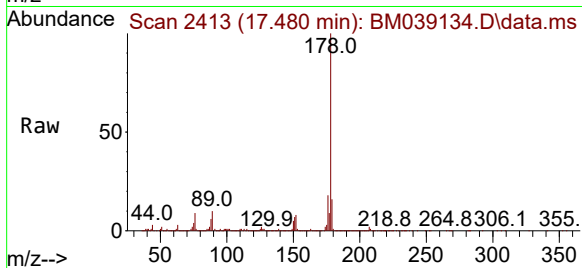
Tgt Ion:178 Resp: 437620

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

179 15.6 12.5 18.7



#75

Fluoranthene

Concen: 37.975 ng

RT: 19.404 min Scan# 2740

Delta R.T. -0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

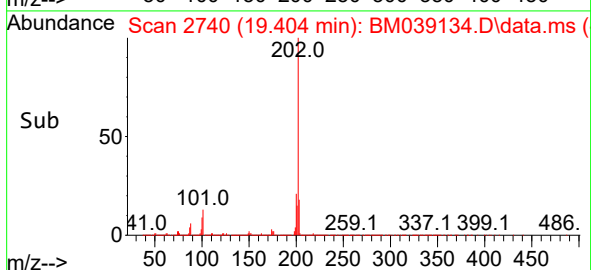
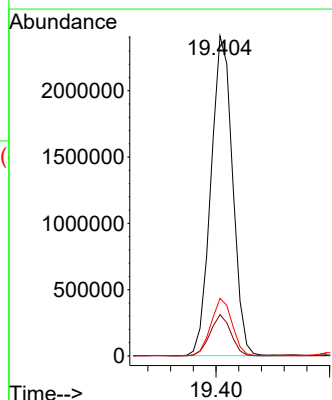
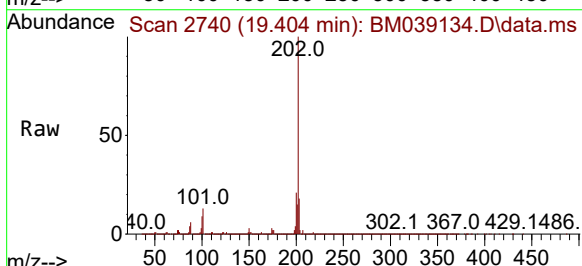
Tgt Ion:202 Resp: 3192574

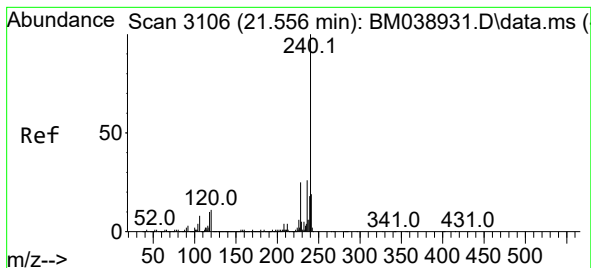
Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.7

203 18.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423DL

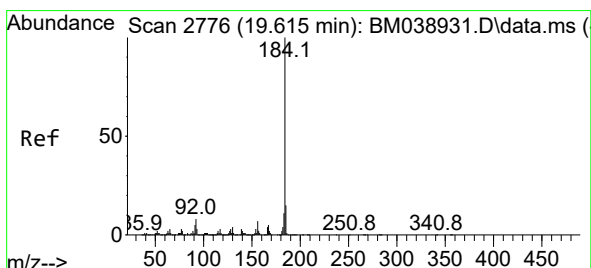
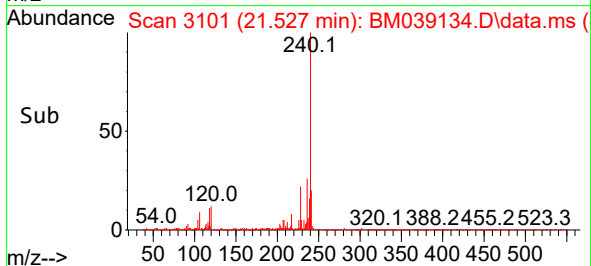
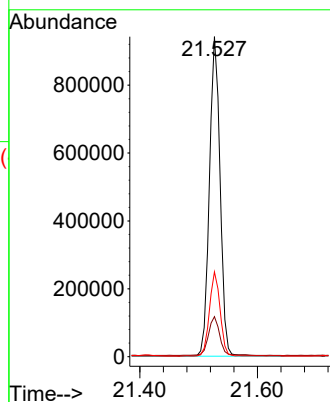
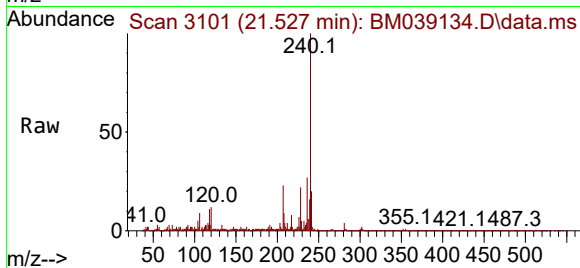
Tgt Ion:240 Resp: 1184756

Ion Ratio Lower Upper

240 100

120 12.5 9.2 13.8

236 26.5 20.8 31.2



#77

Benzidine

Concen: 4.881 ng

RT: 19.598 min Scan# 2773

Delta R.T. 0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

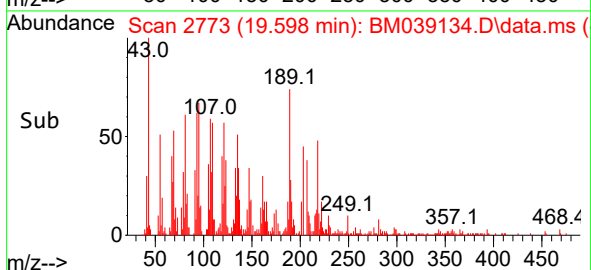
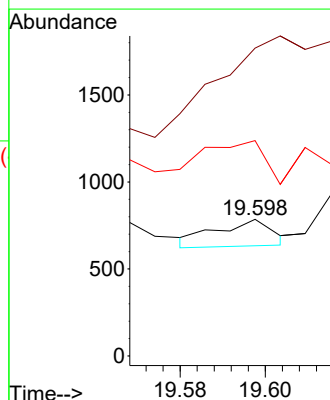
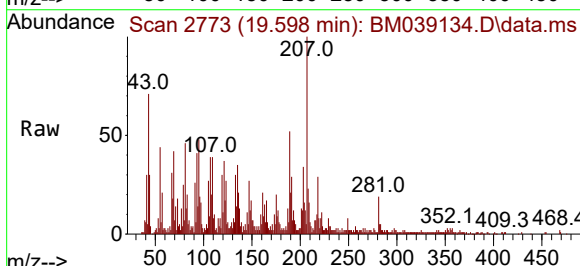
Tgt Ion:184 Resp: 142

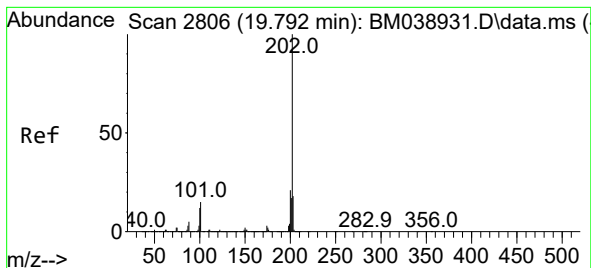
Ion Ratio Lower Upper

184 100

185 225.4 12.2 18.4#

183 157.7 8.8 13.2#





#78

Pyrene

Concen: 31.500 ng

RT: 19.768 min Scan# 2

Delta R.T. 0.000 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423DL

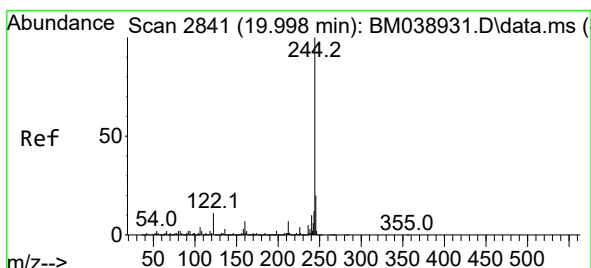
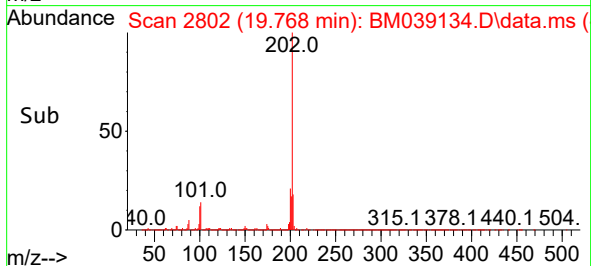
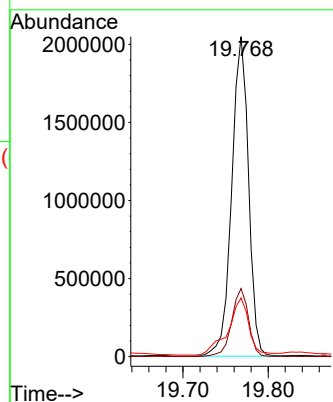
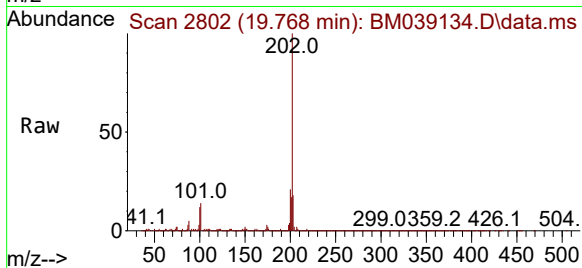
Tgt Ion:202 Resp: 2803056

Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 18.3 14.1 21.1



#79

Terphenyl-d14

Concen: 2.534 ng

RT: 19.962 min Scan# 2835

Delta R.T. -0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

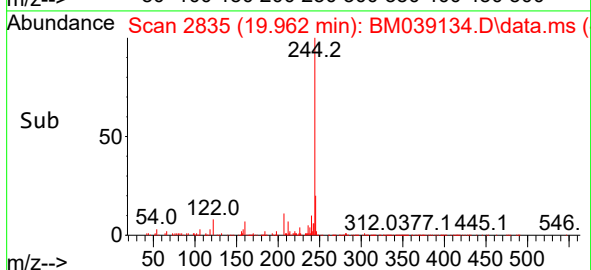
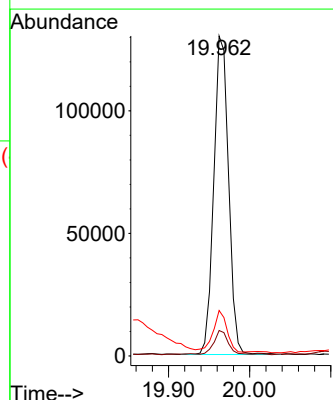
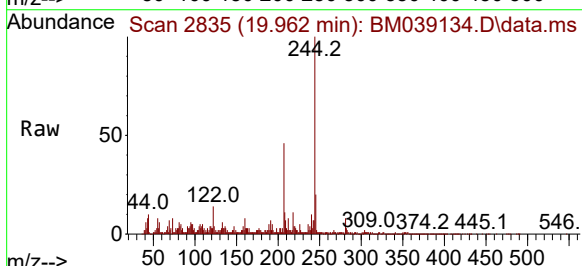
Tgt Ion:244 Resp: 164212

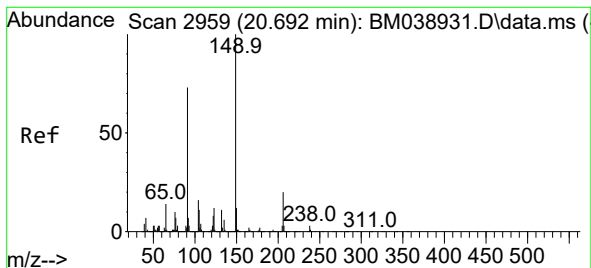
Ion Ratio Lower Upper

244 100

212 8.0 5.5 8.3

122 14.2 9.0 13.4#





#80

Butylbenzylphthalate

Concen: 3.335 ng

RT: 20.674 min Scan# 2959

Delta R.T. 0.012 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423DL

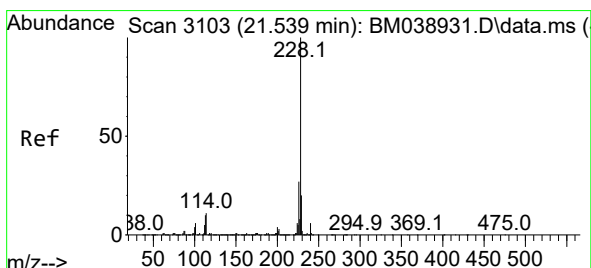
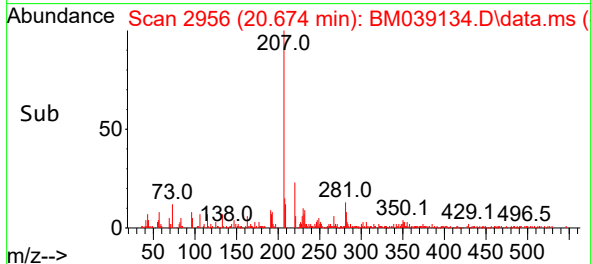
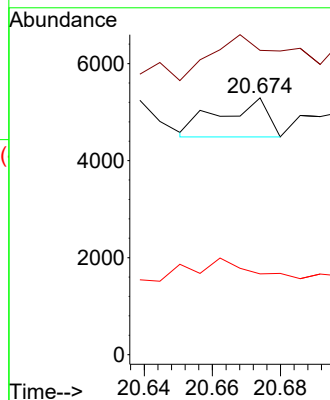
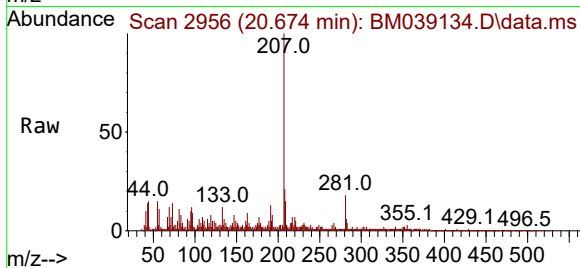
Tgt Ion:149 Resp: 782

Ion Ratio Lower Upper

149 100

91 118.5 58.4 87.6#

206 31.5 16.1 24.1#



#81

Benzo(a)anthracene

Concen: 15.975 ng

RT: 21.509 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

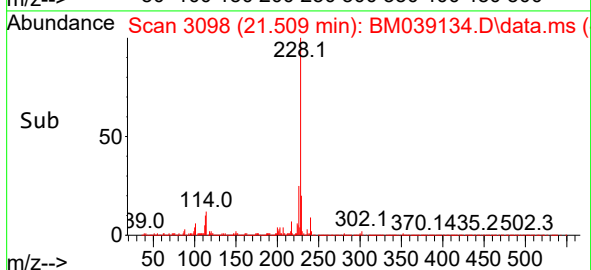
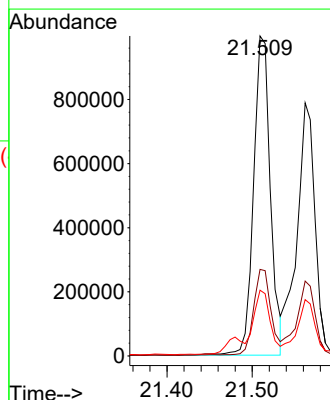
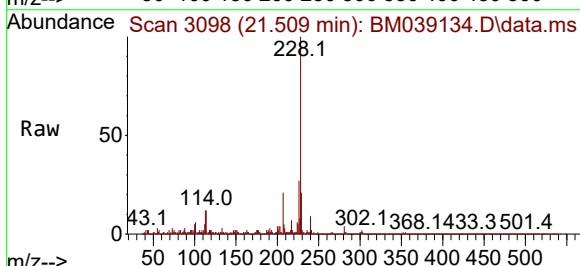
Tgt Ion:228 Resp: 1363022

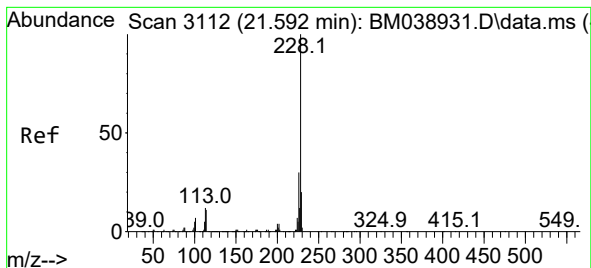
Ion Ratio Lower Upper

228 100

226 27.0 21.4 32.2

229 20.6 15.7 23.5





#83

Chrysene

Concen: 14.089 ng

RT: 21.562 min Scan# 3112

Delta R.T. -0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423DL

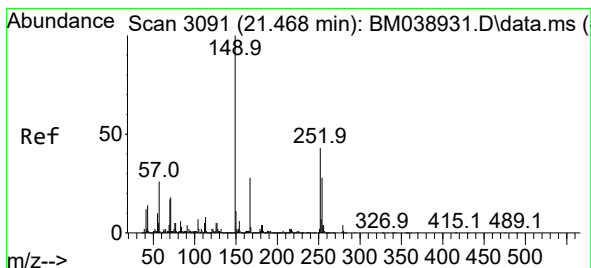
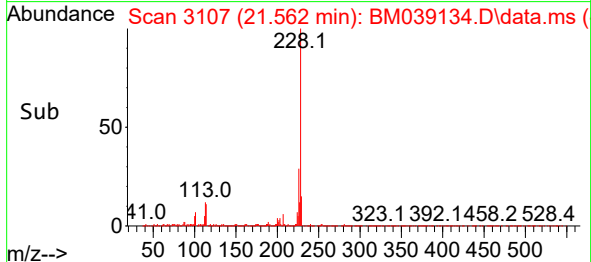
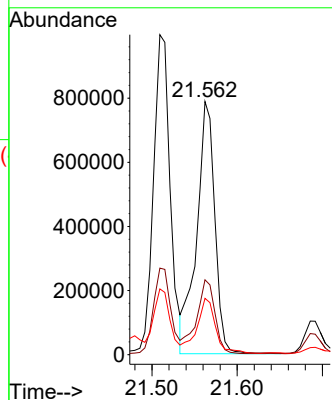
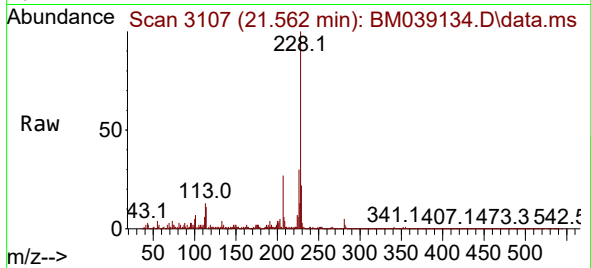
Tgt Ion:228 Resp: 1169144

Ion Ratio Lower Upper

228 100

226 29.6 24.0 36.0

229 22.2 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.514 ng

RT: 21.433 min Scan# 3085

Delta R.T. -0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

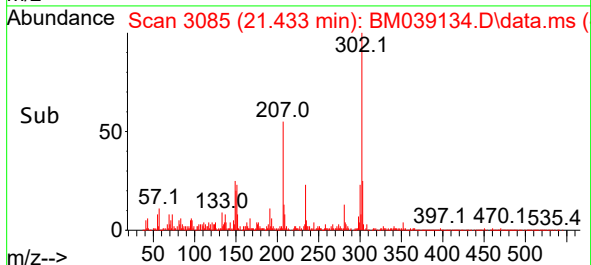
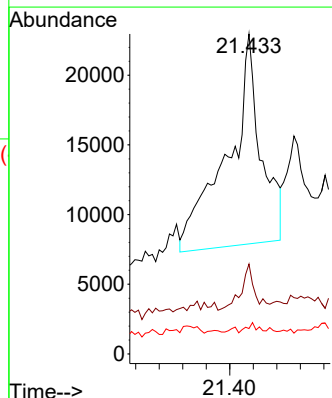
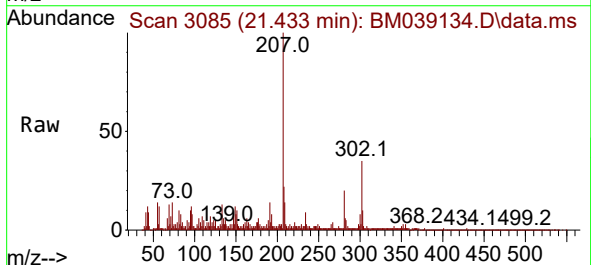
Tgt Ion:149 Resp: 59378

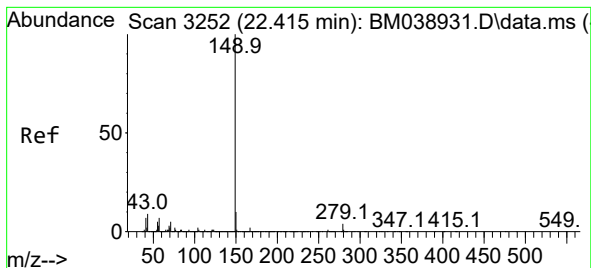
Ion Ratio Lower Upper

149 100

167 28.1 22.3 33.5

279 8.0 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 3.803 ng

RT: 22.397 min Scan# 31

Delta R.T. 0.024 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423DL

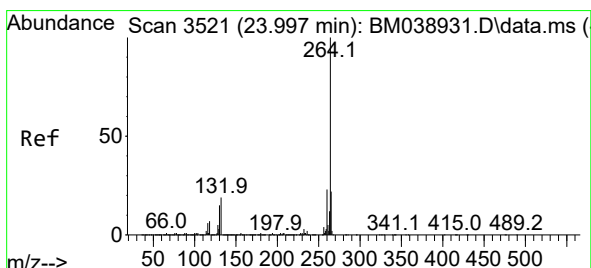
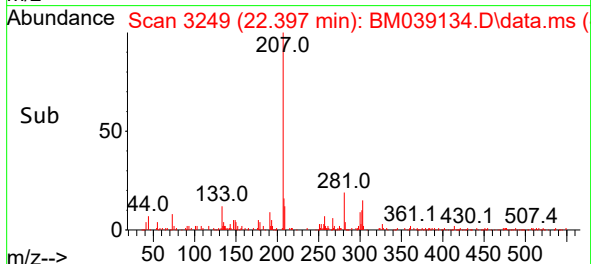
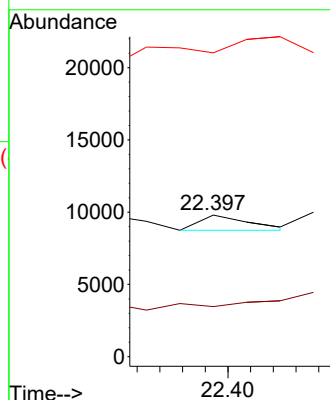
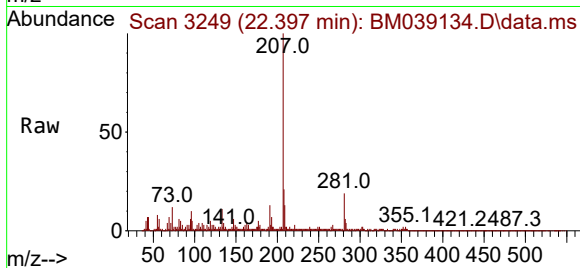
Tgt Ion:149 Resp: 641

Ion Ratio Lower Upper

149 100

167 317.3 1.2 1.8#

43 445.4 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.962 min Scan# 3515

Delta R.T. 0.000 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

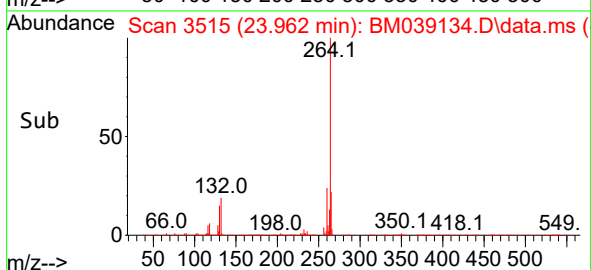
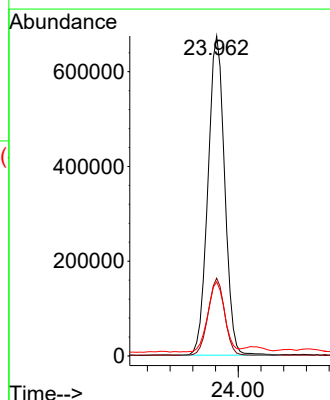
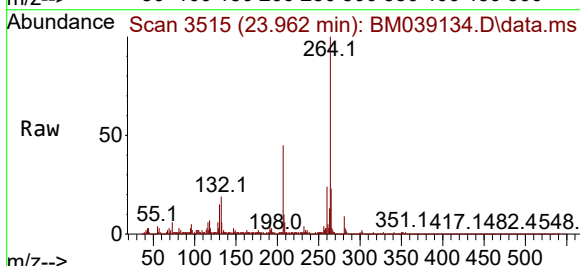
Tgt Ion:264 Resp: 1371735

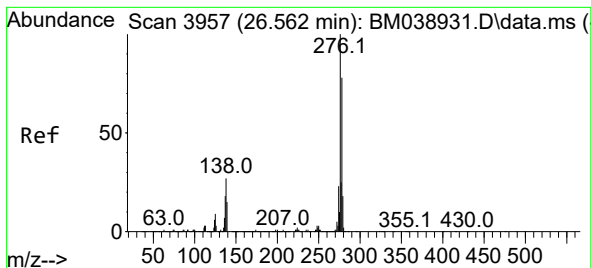
Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 23.1 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.338 ng

RT: 26.491 min Scan# 3945

Delta R.T. -0.006 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423DL

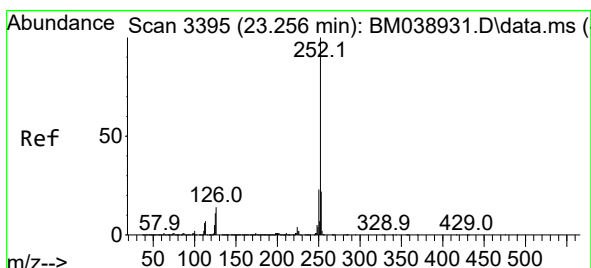
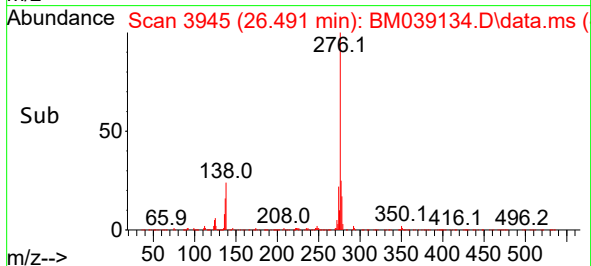
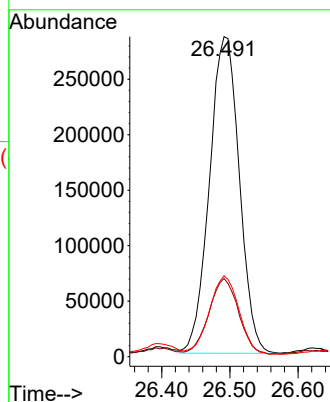
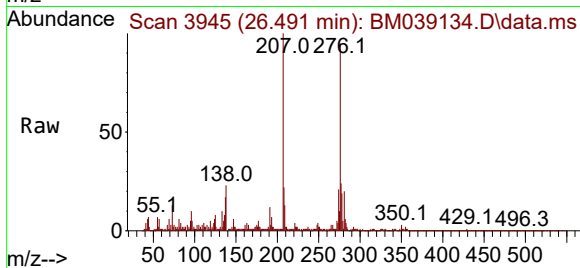
Tgt Ion:276 Resp: 870355

Ion Ratio Lower Upper

276 100

138 23.3 22.1 33.1

277 24.5 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 18.841 ng

RT: 23.221 min Scan# 3389

Delta R.T. 0.000 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

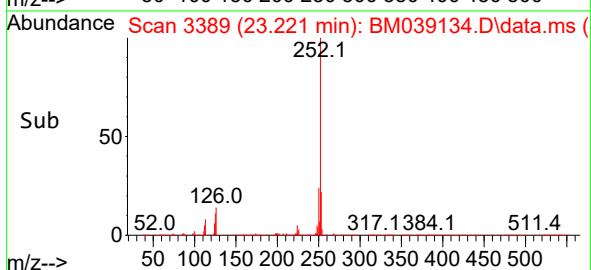
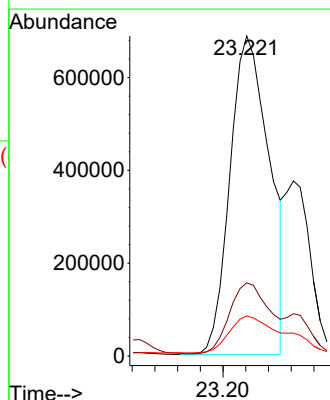
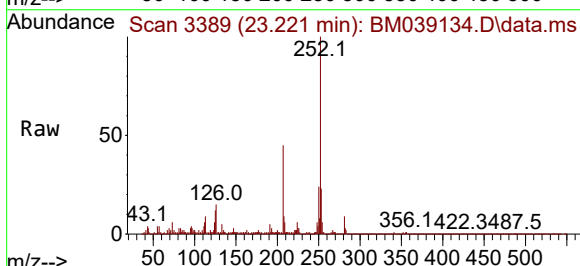
Tgt Ion:252 Resp: 1651142

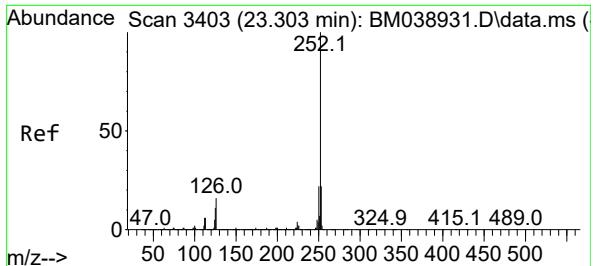
Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 12.5 8.8 13.2

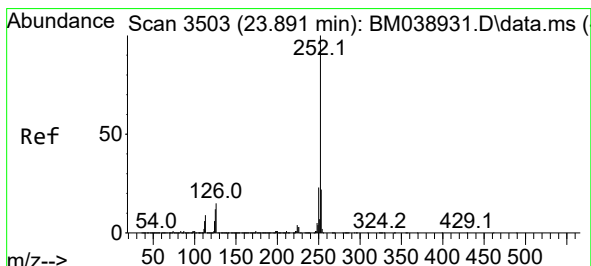
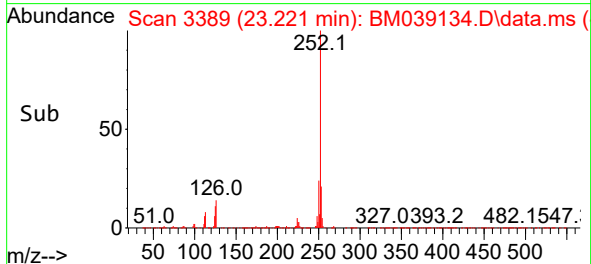
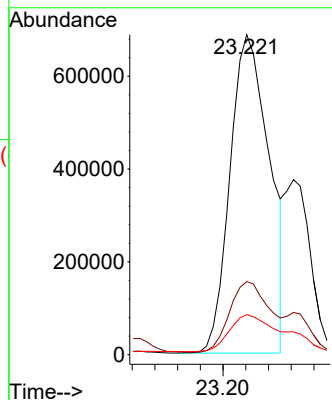
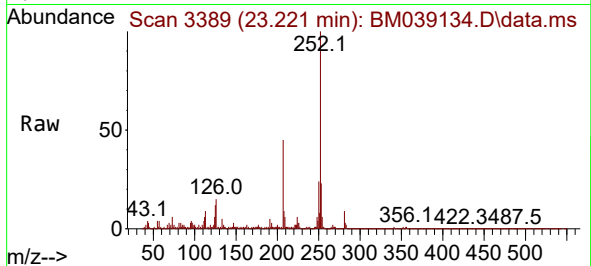




#89
Benzo(k)fluoranthene
Concen: 18.104 ng
RT: 23.221 min Scan# 31
Delta R.T. -0.047 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

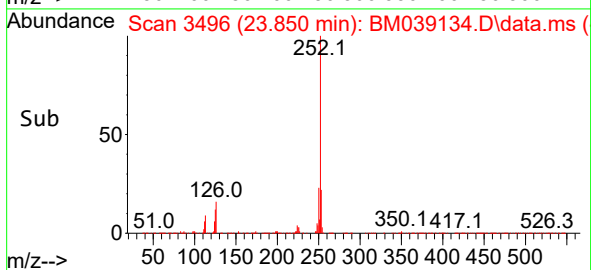
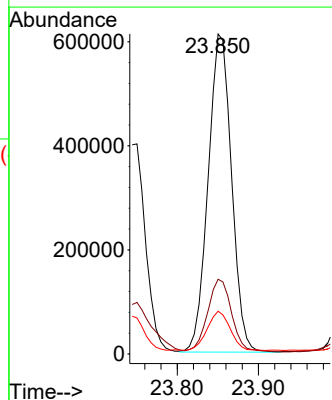
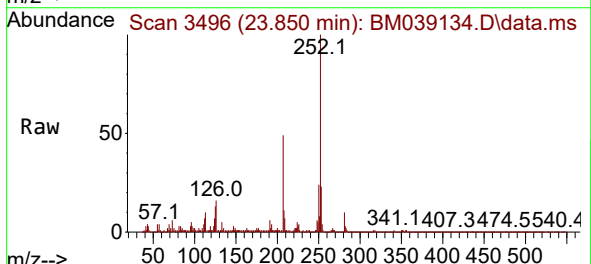
Instrument :
BNA_M
ClientSampleId :
JPP-6A-031423DL

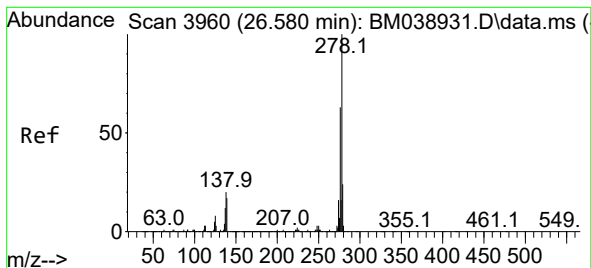
Tgt Ion:252 Resp: 1651142
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 12.5 8.9 13.3



#90
Benzo(a)pyrene
Concen: 14.532 ng
RT: 23.850 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BM039134.D
Acq: 24 Mar 2023 02:22

Tgt Ion:252 Resp: 1225660
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 13.4 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 2.465 ng

RT: 26.497 min Scan# 3960

Delta R.T. -0.012 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Instrument :

BNA_M

ClientSampleId :

JPP-6A-031423DL

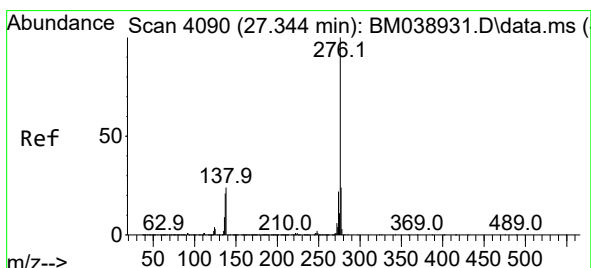
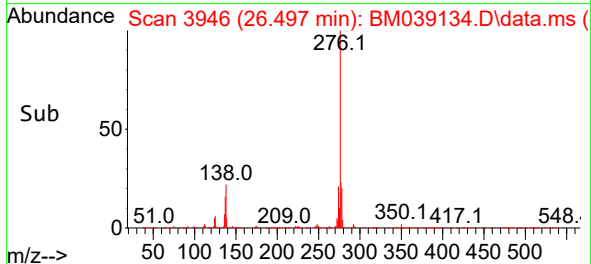
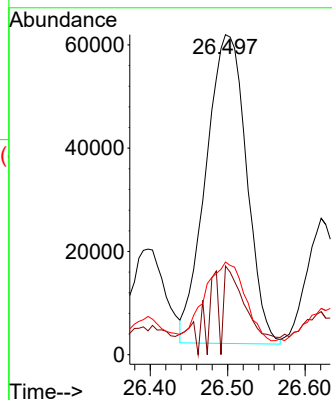
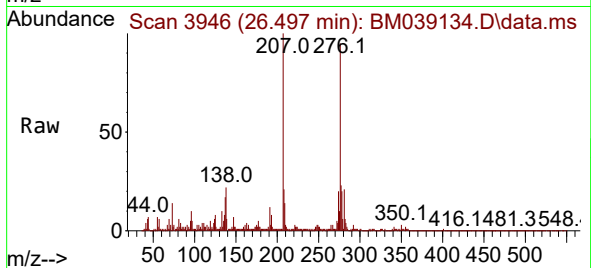
Tgt Ion:278 Resp: 217937

Ion Ratio Lower Upper

278 100

139 27.7 13.7 20.5#

279 28.9 18.9 28.3#



#92

Benzo(g,h,i)perylene

Concen: 9.610 ng

RT: 27.274 min Scan# 4078

Delta R.T. 0.000 min

Lab File: BM039134.D

Acq: 24 Mar 2023 02:22

Tgt Ion:276 Resp: 831069

Ion Ratio Lower Upper

276 100

277 24.1 19.3 28.9

138 24.7 19.0 28.6

